

From: [Powell, Greg](#)
To: [McAteer, Mike](#)
Subject: RE: Mayflower Incident: ExxonMobil-EPA Letter
Date: Friday, April 12, 2013 7:55:57 AM

Hi Mike:

When you get the data send it over and I'll look at it.

thanks

From: McAteer, Mike
Sent: Thursday, April 11, 2013 11:42 PM
To: Powell, Greg; Brescia, Nicolas; Mason, Steve
Cc: Compton, Harry; Stroud, Fred
Subject: RE: Mayflower Incident: ExxonMobil-EPA Letter

Thanks for the information, Greg. We really appreciate your insight on the oil data coming in for this response. Sorry we had to end our call so quickly this evening.... we were all dealing with a variety of issues late today but, we may need to call you again to get more oil education from you!

I expect that we will get the preliminary lab data (TCL, TAL) by COB tomorrow and I'd like to send it to you for your review if that's okay? I also hope you get the Coast Guard lab chromatograms tomorrow or Monday.... we would very much appreciate your analysis of the results and your comparisons to the Enbridge data.

Again, we really appreciate all your support on this response.... your insight and analysis has been invaluable to the Region 6 team out here in Arkansas!

Thanks!

Mike McAteer, OSC
214 354 9371

From: Powell, Greg
Sent: Thursday, April 11, 2013 6:11 PM
To: McAteer, Mike; Brescia, Nicolas; Mason, Steve
Cc: Compton, Harry; Stroud, Fred
Subject: RE: Mayflower Incident: ExxonMobil-EPA Letter

Hi Guys:

I read the ExxonMobil response letter regarding the spilled oil. The Wabasca crude oil is a heavy crude oil (API gravity approx 20) as compared to what is referred to as a very heavy crude (API gravity <10). The very heavy crude oils are excavated and processed; unfortunately, the "world" seems to think these are the only tar sands oils. While the very heavies are tar sands oil so are the Wabasca heavy oils from Alberta. These Wabasca crudes are produced from the tar sands but are conventionally produced by pumping. It is my understanding that a surfactant is added to enhance recovery.

To get the oil to move through the pipeline they add a diluent. This would be either a natural gas condensate or Synfuel. Both are a high gravity product. When spilled the is significant volatilization of the condensate or Synfuel for the first week or so. That is why you had the high benzene numbers. After the lights ends volatilize you end up with the original produced oil which is a

weathered oil. This oil comes from the tar sands. I believe the PRP is correct that it is not bitumen, but the oil comes from the tar sands. Splitting hairs for what appears to be political reasons.

The big question is how will this oil behave once the diluent volatilizes? The very heavy crude dispersed in the water column in Marshall, Michigan. The conditions for the Enbridge spill were extreme with flooding and intense agitation of the oil over dams. It appears your situation is not as chaotic as Enbridge, but I cannot say how this oil will behave this far into the spill. Conventional monitoring and observational techniques may not provide you the information you need. I have told OSC's that you are dealing with two oil spill in regards to these heavy oils. The oil spilled with the "cutter" and the oil once the light ends are gone.

Environment Canada has very experienced people who know these oils. I must tell you though they have limited experience with the oil in warm climates, but they are an invaluable resource. Once I receive the GC/MS data from the Coast Guard Lab I will have SERAS compare it to ERT's GC/Ms data from the Marshall, Mi. spill.

Whatever you need let us know how we can help.

thanks

From: McAteer, Mike
Sent: Thursday, April 11, 2013 5:26 PM
To: Powell, Greg
Subject: FW: Mayflower Incident: ExxonMobil-EPA Letter

Hey Greg.... did you see this already? I'm curious as to any thoughts you have regarding the new MSDS Exxon sent us.

thanks

Mike McAteer

From: Mason, Steve
Sent: Thursday, April 11, 2013 8:05 AM
To: Brescia, Nicolas; McAteer, Mike
Subject: FW: Mayflower Incident: ExxonMobil-EPA Letter

From: Quinones, Edwin
Sent: Thursday, April 11, 2013 12:50 AM
To: Mason, Steve; Brescia, Nicolas; Ruhl, Christopher; Smith, Nelson; Broyles, Ragan
Subject: Fw: Mayflower Incident: ExxonMobil-EPA Letter

Fyi

From: Byrne, Richard E

Sent: Wednesday, April 10, 2013 8:14:20 PM
To: Quinones, Edwin
Subject: Mayflower Incident: ExxonMobil-EPA Letter

Ed

On behalf of ExxonMobil Pipeline Company (EMPCo), attached please find EMPCo's response to EPA's April 5, 2013 Information Request and related MSDS enclosure.

Do not hesitate to call me if you have any questions.

Thanks you, as always, for your courtesies.

Richard E. Byrne
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